WALGREEN COMPANY

104 Wilmot Road MS#1630
Deerfield, Illinois 60015

ANNUAL GROUNDWATER SAMPLING, SITE MANAGEMENT PLAN REVIEW, AND INSTITUTIONAL CONTROL AND ENGINEERING CONTROL (IC/EC) CERTIFICATION

WALGREEN COMPANY STORE 02077
10 EAST CHESTER STREET
KINGSTON, NEW YORK

BCP Site No. C356032

January 2015

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1.0 INTRODUCTION

On behalf of the Walgreen Company (Walgreens), URS Corporation-New York (URS) is pleased to present this report summarizing the results of the annual groundwater sampling event and review of compliance with the existing *Site Management Plan* (*SMP*) for Walgreens Store 02077 at 10 East Chester Street in Kingston, New York. In addition, URS is attaching the Institutional Control and Engineering Control (IC/EC) Certification.

2.0 SITE HISTORY

The subject property (site) is located at 10 East Chester Street in Kingston, New York (see Figure 1). The site consists of approximately 1.0 acre of land and is currently Walgreens Store No. 02077. The construction of the store was completed in 2010. The site is commercially zoned with surrounding properties that include a mix of commercial businesses and residential lots.

According to available information, portions of the site have historically been occupied by a dry cleaning facility, a vehicle fueling/service station, and a trolley barn that became a school bus maintenance garage. Based on the results of the *Brownfield Cleanup Program Remedial Investigation Report/Remedial Action Plan* prepared by S&W Redevelopment of North America, LLC, dated August 2005, the constituents of potential concern at the site include volatile organic compounds (VOCs) associated with solvents (i.e., trichloroethene and tetrachloroethene) and petroleum products. The previous owner of the site, 10 East Chester Street LLC, entered into the New York State Brownfield Program (BCP Site Number C356032) and completed remediation in accordance with the requirements of the BCP.

The site remedial activities included the removal of seven underground storage tanks (USTs) that contained petroleum products, the excavation of impacted soil, and performing in-situ chemical oxidation using potassium permanganate to remediate the groundwater. The remedial activities were conducted in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved *Remedial Action Plan* prepared by S&W Redevelopment of North America, LLC, dated August 2005 and the *Remedial Design In-Situ Chemical Oxidation* prepared by Sterns and Wheeler, LLC, dated October 2005.

S&W Redevelopment of North America, LLC submitted a *Final Engineering Report* to the NYSDEC in November 2006. A Certificate of Completion was issued by the NYSDEC on December 14, 2006. This certificate stated "…that the remediation requirements set forth in ECL Article 27, Title 14, have been or will be achieved in accordance with the time frames, if any established in the remedial work plan." The certificate also noted that the site is restricted to a "commercial" use and that the site remediation is also predicated on the use of institutional or engineering controls. The use of groundwater underlying the site is prohibited without prior approval from the NYSDEC.

A *Site Management Plan* (*SMP*) was prepared by S&W Redevelopment of North America, LLC, on behalf of 10 East Chester Street LLC in December 2006. The *SMP* requires that all buildings constructed on site have a NYSDEC and New York State Department of Health (NYSDOH) approved active sub-slab depressurization system, maintenance of six-inches of concrete or asphalt pavement across the site, and annual groundwater monitoring. Any future excavation of soils at the site must be done in accordance with the *SMP*. The *SMP* also requires an annual certification that the engineering and institutional controls employed at the site are unchanged from the previous certification and that nothing has occurred that would impair the ability of such controls to protect the public health and environment.

During redevelopment activities in May and June 2008, monitoring wells MW-1S, MW-2S, and MW-3S were abandoned with approval from the NYSDEC. Replacement monitoring wells MW-1, MW-2 and MW-3 were installed by Bureau Veritas in February 2010. The locations of these wells are shown in Figure 2. Groundwater samples were collected in March and May 2010. The monitoring well installation and groundwater sampling results for 2010 are summarized in the *Annual Groundwater Sampling Report* prepared by Bureau Veritas, dated September 29, 2010.

URS submitted *Annual Groundwater Sampling, Site Management Plan Review, and Institutional Control and Engineering Control (IC/EC) Certifications* to the NYSDEC in April 2011 and April 2012. URS collected a supplemental round of groundwater samples in August 2012 to verify recent data and to gather additional data to evaluate groundwater geochemistry. The recommendation was to continue annual groundwater sampling events using a low turbidity sampling methodology. The NYSDEC approved of this approach in January 2013. URS submitted an *Annual Groundwater Sampling, Site Management Plan Review, and Institutional IC/EC Certification* to the NYSDEC in December 2013. The NYSDEC did not approve the *Periodic Review Report (PRR)* dated December 2013 and *IC/EC Certification* and requested that a Corrective Measures Workplan (CMWP) be submitted to address recalcitrant levels of tetrachloroethene in MW-3.

URS conducted a review of previous investigative work conducted at the site and identified data gaps. URS submitted a *Workplan to Delineate Soil and Groundwater Impacts* to the NYSDEC in May 2014. The *Workplan* proposed that additional investigative work be conducted to delineate shallow soil impacts above the water table along the former sewer line that connected the floor drains within the former dry cleaning facility to the sanitary sewer located in Broadway, in the area of the former 550-gallon waste oil UST, and along the western property boundary (along East Chester Street) to verify that there is not an off-site source of tetrachloroethene. The NYSDEC approved the *Workplan* on September 10, 2014. The investigation activities were conducted in October 2014 and the results will be submitted to the NYSDEC under separate cover. URS conducted the annual groundwater sampling event for 2014 and review of compliance with the existing *SMP* in conjunction with the investigation activities. The following report only summarizes the annual groundwater sampling event and review of compliance with the existing *SMP*.

3.0 ANNUAL GROUNDWATER SAMPLING

A project-specific *Health and Safety Plan* (*HASP*) was prepared prior to the commencement of the groundwater sampling activities at the site. The HASP was prepared in accordance with all applicable state and federal requirements. All personnel that conducted work at the site met the appropriate training requirements as identified in 29CFR 1910.120. The fieldwork was performed under Level D personal protective equipment.

3.1 SAMPLE COLLECTION

URS collected groundwater samples from the three existing monitoring wells (MW-1, MW-2, and MW-3) on October 13, 2014. Prior to collecting the groundwater samples, the depth to water and the bottom of the well were measured and recorded.

Each monitoring well was purged prior to the collection of groundwater samples in accordance with *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells, Revision 3* (United States Environmental Protection Agency Region 1 [USEPA], 1996). Low flow purging was performed using a Geopump 2TM low flow peristaltic pump and dedicated

silicone (rotor head) and polyethylene (down well) tubing for each well. The polyethylene tubing intake was set at the midpoint of the saturated portion of the well screen in each monitoring well. Depth to water measurements were collected, and flow rates adjusted, until the water level drawdown stabilized. URS monitored temperature, pH, specific conductivity, dissolved oxygen (DO), turbidity, and oxidation-reduction potential (ORP) during purging using a Horiba multi-parameter meter. Water quality measurements were taken at five-minute intervals throughout purging. The purge data is provided in Table 1.

Purging continued until the variation of each parameter listed above was within designated ranges (USEPA, 1996) over three consecutive readings, at which point the tubing was removed from the flow-through cell and the sample bottles were filled. The groundwater samples were containerized in laboratory-supplied pre-preserved bottles. The groundwater samples were immediately chilled on ice and shipped to TestAmerica Laboratories (TestAmerica) of Buffalo, New York following proper chain-of-custody (COC) procedures. Each groundwater sample was analyzed for VOCs by USEPA Method 8260. URS collected one field duplicate from MW-3 for the analysis of VOCs. In addition, one trip blank was submitted for analysis.

The groundwater removed during purging was containerized in a 55-gallon steel drum, labeled, and staged on site. The waste is scheduled to be removed in December 2014.

3.2 GROUNDWATER ANALYTICAL RESULTS

The groundwater analytical results are presented in Table 2. The laboratory analytical report is provided in Appendix A. The groundwater sample analytical results were compared to the *NYSDEC Groundwater (GW) Standards published in Technical and Operational Guidance Series (TOGS) 1.1.1*. Seven VOCs (benzene, ethylbenzene, isopropylbenzene, toluene, xylenes 1,2-dichloroethane, and tetrachloroethene) were detected above their respective NYSDEC GW standard in at least one of the groundwater samples. The data is discussed below. Available historical data for these compounds is provided in Table 3.

Petroleum Compounds

Five petroleum compounds (benzene, ethylbenzene, isopropylbenzene, toluene, and xylenes) were detected above their respective NYSDEC GW standard in at least one of the groundwater samples.

Benzene was detected in the groundwater sample collected from MW-1 at a concentration of 1.5 µg/L. The NYSDEC GW standard for benzene is 1.0 µg/L. Benzene was not detected in the groundwater sample collected from MW-2 or in the groundwater sample collected from MW-3.

Ethylbenzene was detected in the groundwater sample collected from MW-1 at a concentration of 18 µg/L. The NYSDEC GW standard for ethylbenzene is 5.0 µg/L. Ethylbenzene was detected at a concentration of 4.1 µg/L (below the NYSDEC GW standard) in the groundwater sample collected from MW-2 and was not detected in the groundwater sample collected from MW-3.

Isopropylbenzene was detected in the groundwater sample collected from MW-2 at a concentration of 16 µg/L. The NYSDEC GW standard for isopropylbenzene is 5.0 µg/L. Isopropylbenzene was detected at a concentration of 2.6 µg/L (below the NYSDEC GW standard) in the groundwater sample collected from MW-1 and was not detected in the groundwater sample collected from MW-3.

Toluene was detected in the groundwater sample collected from MW-1 at a concentration of 13 µg/L. The NYSDEC GW standard for benzene is 5.0 µg/L. Toluene was not detected in the groundwater samples collected from MW-2 and MW-3.

Xylenes were detected in the groundwater sample collected from MW-1 at a concentration of 62 µg/L and in the groundwater sample collected from MW-2 at a concentration of 5.6 µg/L. The NYSDEC GW standard for total xylene is 5.0 µg/L. Xylenes were not detected in the groundwater sample collected from MW-3.

Historical Petroleum Compound Concentration Trends

The concentrations of benzene, ethylbenzene, toluene, and xylenes in the groundwater samples collected from MW-1 have generally decreased since May 2010. However, the concentrations of these compounds increased in the groundwater sample collected from MW-1 in October 2014. The concentrations of isopropylbenzene in the groundwater samples collected from MW-1 have continued to decrease since May 2010.

The concentrations of isopropylbenzene and xylene in the groundwater samples collected from MW-2 have generally decreased since March 2010. The concentrations of benzene and ethylbenzene in the groundwater samples collected from MW-2 have remained relatively stable since March 2010. Benzene was not detected in the groundwater sample collected from MW-2 in October 2014. Toluene has not been detected in the groundwater samples collected from MW-2 since March 2010.

Benzene, ethylbenzene, isopropylbenzene, toluene, and xylenes have not been detected in the groundwater samples collected from MW-3 since March 2010.

Chlorinated Volatile Organic Compounds

Two chlorinated VOCs (1,2-dichloroethane and tetrachloroethene) were detected above their respective NYSDEC GW standard in at least one of the groundwater samples.

1,2-dichloroethane was detected in the groundwater sample collected from MW-1 at a concentration of 0.65 µg/L. The NYSDEC GW standard for 1,2-dichloroethane is 0.6 µg/L. 1,2-dichloroethane was detected at a concentration of 0.29 µg/L (below the NYSDEC GW standard) in the groundwater sample collected from MW-2. 1,2-dichloroethane was not detected in the groundwater sample collected from MW-3.

Tetrachloroethene was detected in the groundwater sample collected from MW-3 at a concentration of 1,200 µg/L (Duplicate sample was 1,100 µg/L). MW-3 is located downgradient of the former dry cleaning facility at the site. The NYSDEC GW standard for tetrachloroethene is 5.0 µg/L. Tetrachloroethene was not detected in the groundwater samples collected from MW-1 or MW-2. Tetrachloroethene has not been detected in the groundwater samples collected from MW-1 since May 2010 and from MW-2 since August 2012.

Historical Chlorinated VOC Concentration Trends

The concentrations of 1,2-dichloroethane in the groundwater samples collected from MW-1 have generally decreased since March 2010, with a slight increase in concentration in 2013 and 2014. The

concentration of cis-1,2-dichloroethene in the groundwater sample collected from MW-1 increased in October 2014. Tetrachloroethene and trichloroethene have not been detected in the groundwater samples collected from MW-1 since March 2010.

The concentrations of tetrachloroethene and trichloroethene in the groundwater samples collected from MW-2 have generally decreased since May 2010. The concentrations of cis-1,2-dichloroethene in the groundwater samples collected from MW-2 have remained relatively stable since March 2010. The concentration of 1,2-dichloroethane in the groundwater sample collected from MW-2 increased in October 2014.

The concentrations of trichloroethene in the groundwater samples collected from MW-3 have generally decreased since 2012. The concentrations of cis-1,2-dichloroethene and tetrachloroethene in the groundwater samples collected from MW-3 have remained relatively stable since March 2010. 1,2-dichloroethane has not been detected in the groundwater samples collected from MW-3 since March 2010.

4.0 ANNUAL SITE MANAGEMENT PLAN REVIEW AND INSTITUTIONAL CONTROL AND ENGINEERING CONTROL CERTIFICATION

The *SMP* requires an annual certification that the engineering and institutional controls employed at the site are unchanged from the previous certification and that nothing has occurred that would impair the ability of such control to protect the public health and environment. The *Institutional Control/Engineering Control (IC/EC) Certification* is provided in Appendix B.

The following institutional controls have been identified for the site: groundwater use restriction, land-use restriction, site management plan, and soil management plan. The site is a commercial property and is an operating Walgreens store. The site does not use groundwater for any purpose. There is an approved *SMP* for the site. There have been no soil excavations at the site since the property has been redeveloped as a Walgreens store. The institutional controls employed at the site are unchanged from the previous certification in 2013.

The following engineering controls have been identified for the site: cover system and vapor mitigation system. A barrier layer of six-inches of concrete is maintained at the site. There have been no soil excavations at the site since the property has been redeveloped as a Walgreens store. The Walgreens store has an operating sub-slab depressurization system. This system was inspected during the October 2014 sampling event and appears to be operating properly. The engineering controls employed at the site are unchanged from the previous certification in 2013.

The *IC/EC Certification Form* requests that assumptions made in the preparation of the Qualitative Exposure Assessment be validated. URS reviewed available historical documentation and the Qualitative Human Health Exposure Assessment that was included as Section 7 of the *Remedial Investigation Report/Remedial Action Plan* dated August 2005. The assessment was conducted prior to the redevelopment of the site as a Walgreens store. URS has included an updated Qualitative Exposure Assessment as Appendix C.

The *SMP* requires annual groundwater sampling and evaluation of groundwater trends. The *SMP* indicates that additional remedial action may be required by the NYSEC if concentrations of the target compounds are increasing or do not show a decreasing trend. The concentrations of tetrachloroethene at

MW-3 have remained stable since March 2010 and are two to three orders of magnitude higher than the NYSDEC GW standard. URS conducted investigation activities at the site in October 2014 to delineate soil and groundwater impacts. The results will be submitted to the NYSDEC under a separate cover.

5.0 RECOMMENDATIONS

As indicated in the *IC/EC Certification*, the engineering and institutional controls employed at the site are unchanged from the previous certification in 2013. The sub-slab depressurization system will remain in operation and a six-inch concrete barrier layer will remain across the site.

URS conducted additional investigative work at the site in October 2104 to delineate shallow soil impacts above the water table along the former sewer line that connected the floor drains within the former dry cleaning facility to the sanitary sewer located in Broadway, in the area of the former 550-gallon waste oil UST, and along the western property boundary (along East Chester Street) to verify that there is not an off-site source of tetrachloroethene. The results of the investigation will be submitted to the NYSDEC under a separate cover. Once the results are submitted, Walgreens and the NYSDEC can discuss future plans for the site.

TABLES

TABLE 1
SUMMARY OF PURGE DATA

WALGREEN COMPANY STORE 02077
10 EAST CHESTER STREET
KINGSTON , NEW YORK

Well Number	Volume Purged (Gallons)	DTW (ft bgs)	pH	Specific Conductivity (mS/cm)	Temperature (^{o}C)	DO (mg/L)	Turbidity (NTU)	Oxidation Reduction Potential (mV)	Notes
MW-1	0.00	9.66	-	-	-	-	-	-	
	0.08	10.00	6.61	0.685	18.24	0.00	31	-55	
	0.29	10.23	6.50	0.598	18.49	0.97	23.6	-8	Total Depth = 14.58 ft bgs
	0.55	10.56	6.49	0.641	18.60	0.00	8.8	-25	
	0.98	10.83	6.57	0.682	18.64	0.00	5.4	-58	
	1.21	10.98	6.63	0.707	18.49	0.00	6.3	-77	
	1.37	11.08	6.67	0.720	18.41	0.00	7.8	-84	
	1.53	11.21	6.67	0.725	18.40	0.00	11.7	-86	
MW-2	0.00	9.63	-	-	-	-	-	-	
	0.04	9.72	7.09	0.617	15.84	0.00	7.6	-77	
	0.21	9.78	6.50	0.596	17.21	0.00	7.2	-126	Total Depth= 14.11 ft bgs
	0.50	9.79	6.54	0.388	17.78	0.00	6.4	-132	
	0.84	9.79	6.60	0.346	18.02	0.00	1.8	-136	
	1.11	9.79	6.62	0.334	18.24	0.00	0.0	-139	
	1.37	9.79	6.62	0.331	18.32	0.00	0.0	-142	
	1.64	9.79	6.63	0.336	18.39	0.00	0.0	-145	
	1.90	9.79	6.63	0.342	18.47	0.00	0.0	-148	
MW-3	0.00	9.58	-	-	-	-	-	-	
	0.25	9.68	7.15	0.951	15.45	0.00	16.6	103	
	0.50	9.68	6.86	0.963	16.47	0.00	13.1	115	Total Depth = 17.03 ft bgs
	0.75	9.68	6.81	0.960	16.59	0.00	9.6	123	
	1.05	9.68	6.78	0.940	16.79	0.00	7.2	130	
	1.32	9.69	6.79	0.929	16.94	0.00	4.6	133	
	1.45	9.69	6.79	0.928	17.14	0.00	2.5	135	
	1.72	9.68	6.80	0.928	17.18	0.00	0.1	137	

Notes:
Monitoring wells were purged on October 13, 2014.
ft bgs: feet below ground surface
mS/cm: millisiemens per centimeter
mg/L: milligrams per liter
NTU: Nephelometric Turbidity Units
mV: millivolts
ppm: parts per million
DTW: Depth to water
DO: Dissolved Oxygen
*: Probe malfunctioned
N/A: Not Available, meter had an error

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

WALGREEN COMPANY STORE 02077
10 EAST CHESTER STREET
KINGSTON, NEW YORK

COMPOUND (µg/L)	CAS #	NYS GW Standard* (µg/L)	MW-1 10/13/2014	MW-2 10/13/2014	MW-3 10/13/2014	MW-4 (Duplicate of MW-3) 10/13/2014
Volatile Organic Compounds - EPA 8260 C						
1,1,1-Trichloroethane	71-55-6	5.0	ND (0.82)	ND (0.82)	ND (16)	ND (16)
1,1,2,2-Tetrachloroethane	79-34-5	5.0	ND (0.21)	ND (0.21)	ND (4.2)	ND (4.2)
1,1,2-Trichloroethane	79-00-5	1.0	ND (0.23)	ND (0.23)	ND (4.6)	ND (4.6)
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	1.0	ND (0.31)	ND (0.31)	ND (6.2)	ND (6.2)
1,1-Dichloroethane	75-34-3	5.0	ND (0.38)	ND (0.38)	ND (7.6)	ND (7.6)
1,1-Dichloroethene	75-35-4	5.0	ND (0.29)	ND (0.29)	ND (5.8)	ND (5.8)
1,2,4-Trichlorobenzene	120-82-1	5.0	ND (0.41)	ND (0.41)	ND (8.2)	ND (8.2)
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	ND (0.39)	ND (0.39)	ND (7.8)	ND (7.8)
1,2-Dibromoethane	106-93-4	0.0006	ND (0.73)	ND (0.73)	ND (15)	ND (15)
1,2-Dichlorobenzene	95-50-1	3.0	ND (0.79)	ND (0.79)	ND (16)	ND (16)
1,2-Dichloroethane	107-06-2	0.6	**0.65 J**	**0.29 J**	ND (4.2)	ND (4.2)
1,2-Dichloropropane	78-87-5	1.0	ND (0.72)	ND (0.72)	ND (14)	ND (14)
1,3-Dichlorobenzene	541-73-1	3.0	ND (0.78)	ND (0.78)	ND (16)	ND (16)
1,4-Dichlorobenzene	106-46-7	3.0	ND (0.84)	ND (0.84)	ND (17)	ND (17)
2-Hexanone	591-78-6	[50]	ND (1.2)	ND (1.2)	ND (25)	ND (25)
2-Butanone (MEK)	78-93-3	[50]	ND (1.3)	ND (1.3)	ND (26)	ND (26)
4-Methyl-2-pentanone (MIBK)	108-10-1	NS	ND (2.1)	ND (2.1)	ND (42)	ND (42)
Acetone	67-64-1	[50]	ND (3.0)	ND (3.0)	ND (60)	ND (60)
Benzene	71-43-2	1.0	**1.5**	ND (0.41)	ND (8.2)	ND (8.2)
Bromodichloromethane	75-27-4	[50]	ND (0.39)	ND (0.39)	ND (7.8)	ND (7.8)
Bromoform	75-25-2	[50]	ND (0.26)	ND (0.26)	ND (5.2)	ND (5.2)
Bromomethane	74-83-9	5.0	ND (0.69)	ND (0.69)	ND (14)	ND (14)
Carbon disulfide	75-15-0	[60]	ND (0.19)	ND (0.19)	ND (3.8)	ND (3.8)
Carbon tetrachloride	56-23-5	5.0	ND (0.27)	ND (0.27)	ND (5.4)	ND (5.4)
Chlorobenzene	108-90-7	5.0	ND (0.75)	ND (0.75)	ND (15)	ND (15)
Dibromochloromethane	124-48-1	[50]	ND (0.32)	ND† (0.32)	ND† (6.4)	ND (6.4)
Chloroethane	75-00-3	5.0	ND (0.32)	ND (0.32)	ND (6.4)	ND (6.4)
Chloroform	67-66-3	7.0	ND (0.34)	ND (0.34)	ND (6.8)	ND (6.8)
Chloromethane	74-87-3	5.0	ND (0.35)	ND (0.35)	ND (7.0)	ND (7.0)
cis-1,2-Dichloroethene	156-59-2	5.0	**2.9**	**4.2**	ND (16)	ND (16)
cis-1,3-Dichloropropene	10061-01-5	0.4	ND (0.36)	ND (0.36)	ND (7.2)	ND (7.2)
Cyclohexane	110-82-7	NS	**1.3**	**56**	ND (3.6)	ND (3.6)
Dichlorodifluoromethane	75-71-8	5.0	ND† (0.68)	ND (0.68)	ND (14)	ND† (14)
Ethylbenzene	100-41-4	5.0	**18**	**4.1**	ND (15)	ND (15)
Isopropylbenzene	98-82-8	5.0	**2.6**	**16**	ND (16)	ND (16)
Methyl acetate	79-20-9	NS	ND (0.50)	ND (0.50)	ND (10)	ND (10)
Methyl tert-butyl ether	1634-04-4	[10]	ND (0.16)	ND (0.16)	ND (3.2)	ND (3.2)
Methylcyclohexane	108-87-2	NS	**1.2**	**52**	ND (3.2)	ND (3.2)
Methylene Chloride	75-09-2	5.0	ND (0.44)	ND (0.44)	ND (8.8)	ND (8.8)
Styrene	100-42-5	5.0	ND (0.73)	ND (0.73)	ND (15)	ND (15)
Tetrachloroethene	127-18-4	5.0	ND (0.36)	ND (0.36)	**1,200**	**1,100**
Toluene	108-88-3	5.0	**13**	ND (0.51)	ND (10)	ND (10)
trans-1,2-Dichloroethene	156-60-5	5.0	ND (0.90)	ND (0.90)	ND (18)	ND (18)
trans-1,3-Dichloropropene	10061-02-6	0.4	ND (0.37)	ND (0.37)	ND (7.4)	ND (7.4)
Trichloroethene	79-01-6	5.0	ND (0.46)	ND (0.46)	ND (9.2)	ND (9.2)
Trichlorofluoromethane	75-69-4	5.0	ND (0.88)	ND (0.88)	ND (18)	ND (18)
Vinyl chloride	75-01-4	2.0	ND (0.90)	ND (0.90)	ND (18)	ND (18)
Xylenes, Total	1330-20-7	5.0	**62**	**5.6**	ND (13)	ND (13)

Notes

Groundwater samples analyzed by TestAmerica Laboratories in Buffalo, NY.

ND ( ): The compound was not detected at the indicated concentration. Method Detection Limit (MDL) is shown.

Bold values indicate concentrations detected above the reporting limit.

Bold and shaded values indicate concentrations above the comparison standard.

µg/L: micrograms per liter

*: New York State Department of Environmental Conservation (NYSDEC) Groundwater (GW) Standard Technical and Operational Guidance Series (TOGS) 1.1.1, 2004.

[ ]: Indicates a Guidance Value.

J: Indicates an estimated value that is less than the quantitation limit but greater than the method detection limit.

†: The laboratory control sample was recovered outside of the control limits.

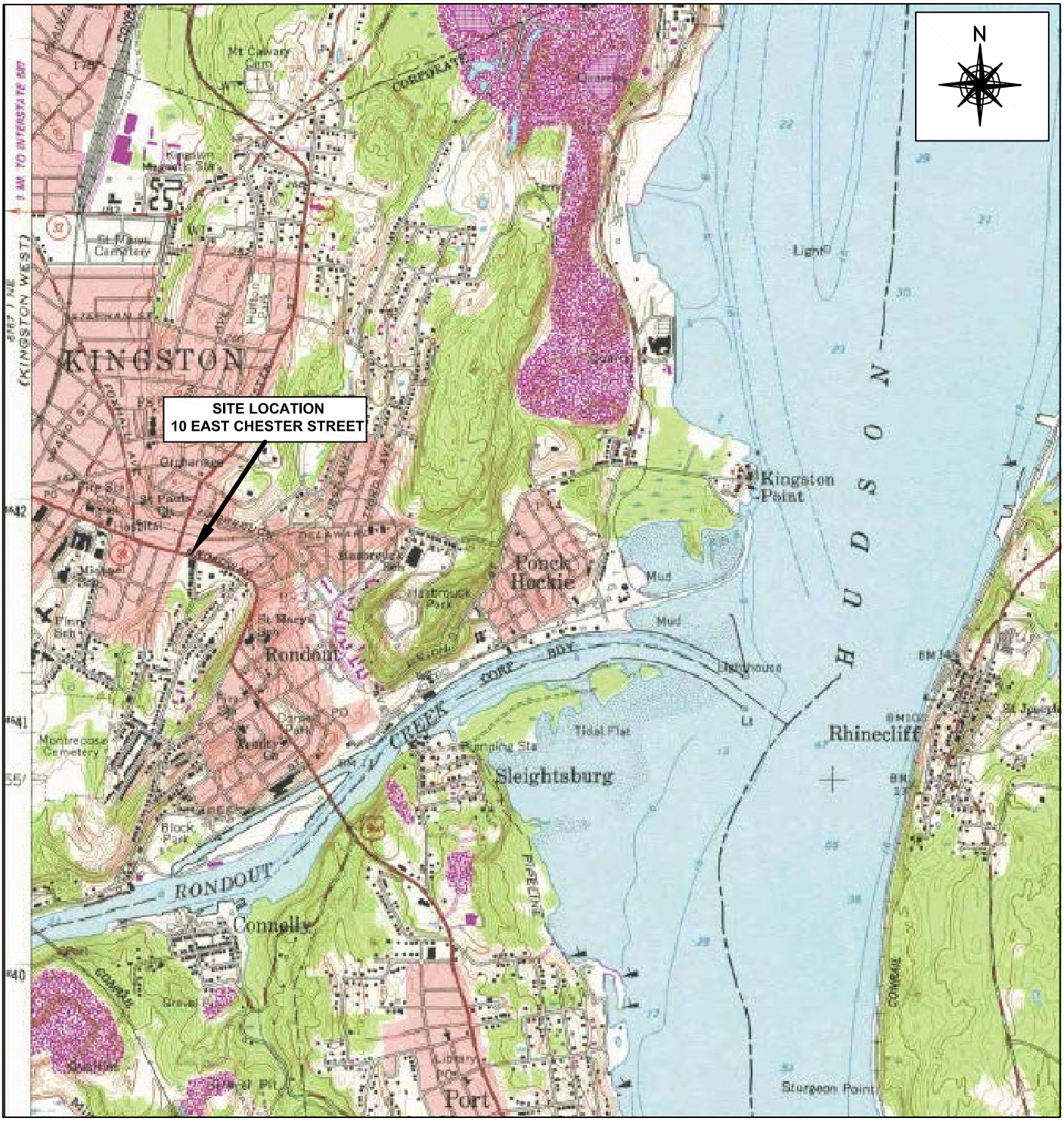
TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL RESULTS

WALGREEN COMPANY STORE 02077
10 EAST CHESTER STREET
KINGSTON, NEW YORK

Well	Sample Date	Depth to Water (feet bgs)	Volatile Organic Compound Concentration (µg/L)*									Sample Turbidity (NTU)
			Benzene	Ethylbenzene	Isopropylbenzene	Toluene	Total Xylenes	1,2-Dichloroethane	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	
MW-1	3/13/2010[A]	NA	ND	ND	ND	ND	53.5	3.6	0.79	ND	ND	4.9**
	5/4/2010[A]	NA	1.7	130	20	1.7	126.4	3.0	ND	ND	ND	374**
	3/9/2011[B]	8.14	0.59	43	8.4	0.64	18.4	ND	ND	ND	ND	206
	2/16/2012[B]	9.74	0.23	10.5	12.2	ND	ND	ND	ND	ND	ND	>800
	8/8/2012[C]	9.26	ND	9.0	13	ND	2.8	ND	ND	ND	ND	8
	11/8/13[C]	9.77	ND	1.1	4.7	ND	ND	0.48	ND	ND	ND	4.56
	10/13/14[C]	9.66	1.5	18	2.6	13	62	0.65	2.9	ND	ND	11.7
MW-2	3/13/2010[A]	NA	ND	0.97	86	ND	63.5	ND	3.5	5.3	16	2.93**
	5/4/2010[A]	NA	ND	1.1	45	ND	29.5	ND	2.8	10	17	10**
	3/9/2011[B]	8.18	ND	4	19	ND	11.6	ND	6.4	0.6	14	800
	2/16/2012[B]	9.64	0.28	10.3	27.6	ND	38.5	ND	3.6	0.34	1.0	>800
	8/8/2012[C]	9.17	ND	1.9	6.1	ND	5.5	ND	3.1	ND	0.47	1.1
	11/8/13[C]	9.63	0.43	5.3	16	ND	11	ND	5.2	ND	ND	0.46
	10/13/14[C]	9.63	ND	4.1	16	ND	5.6	0.29	4.2	ND	ND	0.0
MW-3	3/13/2010[A]	NA	ND	ND	ND	ND	ND	ND	1	1,000	7.7	7.41**
	5/4/2010[A]	NA	ND	ND	ND	ND	ND	ND	ND	2,200	5	10**
	3/9/2011[B]	8.37	ND	ND	ND	ND	ND	ND	1.5	840	11	>800
	2/16/2012[B]	9.56	ND	ND	ND	ND	ND	ND	2.6	1,040	11.2	>800
	8/8/2012[C]	9.11	ND	ND	ND	ND	ND	ND	ND	200	9.5	1.0
	11/8/13[C]	9.50	ND	ND	ND	ND	ND	ND	3.0	2,000	7.0	0.3
	10/13/14[C]	9.58	ND	ND	ND	ND	ND	ND	ND	1,200	ND	0.1

Notes:
*The maximum of the reported values (i.e., normal sample, duplicates, and dilutions) is listed.
**Turbidity value recorded during submersible pump purging; the sample was subsequently collected with a bailer.
ND = Not Detected
NA: Not Available
A: At least three well volumes purged with a submersible pump, sample collected with a bailer.
B: Three well volumes purged with a bailer and sample collected with a bailer.
C: Low-flow purging and sampling.

FIGURES



TARGET QUAD
NAME: KINGSTON EAST
MAP YEAR: 1980
PHOTO REVISED FROM: 1963
SERIES: 7.5
SCALE: 1:24000

SITE NAME: 10 EAST CHESTER STREET
ADRESS: 10 EAST CHESTER STREET
KINGSTON , NEW YORK 12401
LAT/LONG: 41.926/-73.9918

Title: SITE LOCATION MAP

Location: 10 EAST CHESTER STREET
KINGSTON, NEW YORK 12401

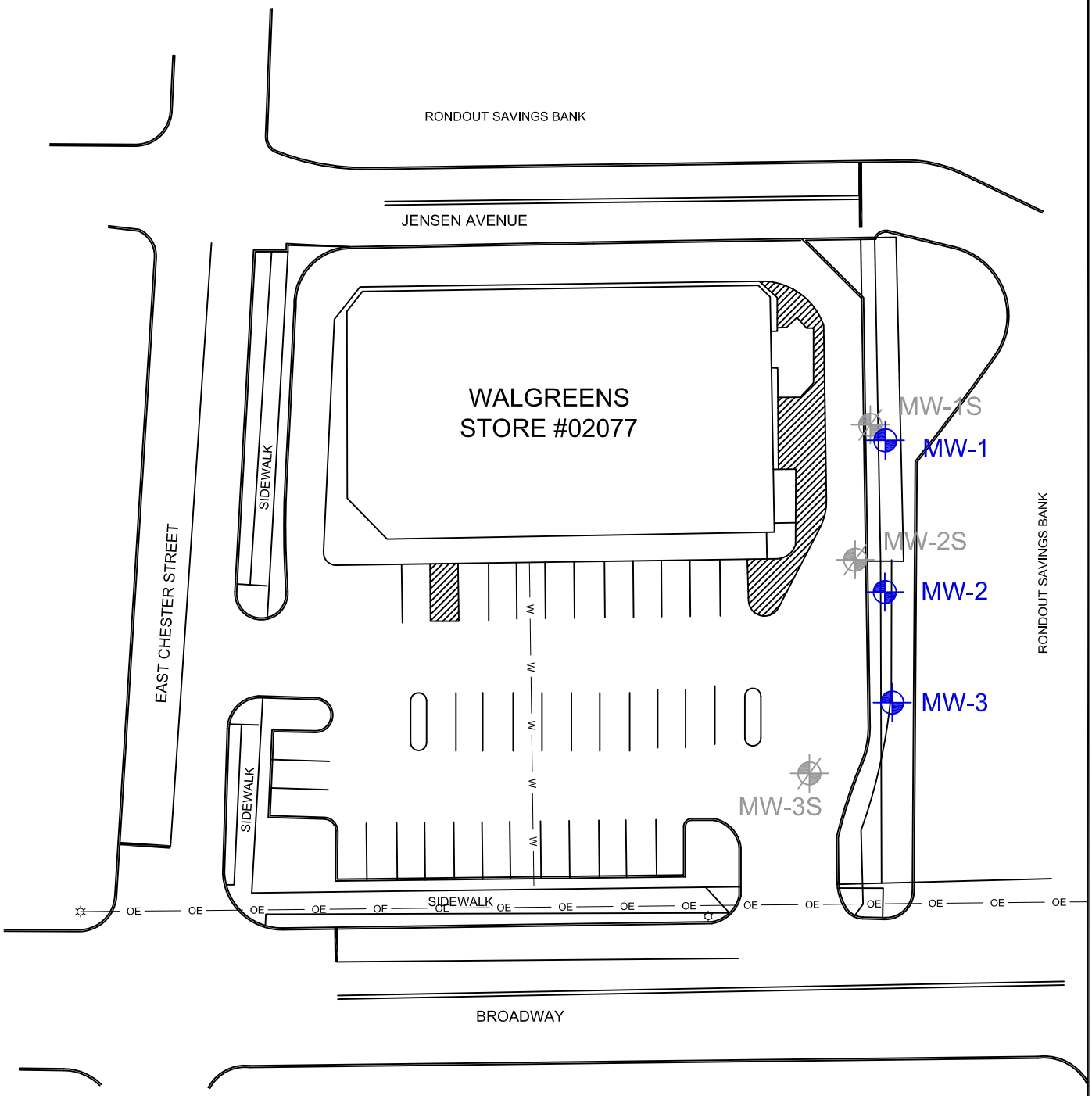
Client: WALGREENS STORE #02077

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: CLS	Date: December 2014
Drg. Size: 8.5 x 11	Job No.: 25368188

FIGURE 1

J:\25368188 Walgreens Kingston, NY\2012\Figures\KINGSTON – FIGURE1 SITE LOCATION MAP.dwg User: carrie_szczepanski Dec 17, 2014 – 3:10pm



LEGEND:

- CURB
- ABANDONED MONITORING WELL LOCATION
- MONITORING WELL LOCATION
- STREET LIGHT
- OE — OVERHEAD ELECTRIC
- W — WATER LINE

NOTE: LOCATIONS OF KNOWN UTILITIES ARE APPROXIMATE

NORTH

0 20 40 80

SCALE IN FEET

WALGREENS STORE #02077
10 EAST CHESTER STREET
KINGSTON, NEW YORK 12401

FIGURE 2
MONITORING WELL LOCATIONS

DATE:	Feb 20, 2012
JOB NO.:	25368188
DRAWN BY:	CLS
CHK'D BY:	JDK
SCALE:	AS SHOWN

URS
3 CORPORATE DRIVE, SUITE 203
CLIFTON PARK, NEW YORK 12065
PHONE: (518) 688-0015
FAX: (518) 688-0022

PLOTTED: February 20, 2012 BY: Carrie Szczepanski CTB USED: 0-5_black.ctb PAPER SPACE TAB: MW LOCATION MAP
DWG PATH: J:\25368188 Walgreens Kingston, NY\2012\KINGSTON\~FIGURE2.dwg

APPENDIX A

LABORATORY ANALYTICAL REPORT

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-69165-1
Client Project/Site: Walgreens Site (Kingston, NY)

For:
URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Attn: Ms. Jennifer Gillies

Melissa Deyo

Authorized for release by:
10/22/2014 2:19:56 PM

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Job ID: 480-69165-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-69165-1

Receipt
The samples were received on 10/14/2014 12:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3 (480-69165-3), MW-4 (480-69165-4), (480-69165-4 MS) and (480-69165-4 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) for batch 208917 recovered outside control limits for the following analytes: Dichlorodifluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The laboratory control sample (LCS) for batch 209000 recovered outside control limits for the following analyte:Chlorodibromomethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Client Sample ID: MW-1 — Lab Sample ID: 480-69165-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.65	J	1.0	0.21	ug/L	1		8260C	Total/NA
Benzene	1.5		1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.9		1.0	0.81	ug/L	1		8260C	Total/NA
Cyclohexane	1.3		1.0	0.18	ug/L	1		8260C	Total/NA
Ethylbenzene	18		1.0	0.74	ug/L	1		8260C	Total/NA
Isopropylbenzene	2.6		1.0	0.79	ug/L	1		8260C	Total/NA
Methylcyclohexane	1.2		1.0	0.16	ug/L	1		8260C	Total/NA
Toluene	13		1.0	0.51	ug/L	1		8260C	Total/NA
Xylenes, Total	62		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 480-69165-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.29	J	1.0	0.21	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.2		1.0	0.81	ug/L	1		8260C	Total/NA
Cyclohexane	56		1.0	0.18	ug/L	1		8260C	Total/NA
Ethylbenzene	4.1		1.0	0.74	ug/L	1		8260C	Total/NA
Isopropylbenzene	16		1.0	0.79	ug/L	1		8260C	Total/NA
Methylcyclohexane	52		1.0	0.16	ug/L	1		8260C	Total/NA
Xylenes, Total	5.6		2.0	0.66	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-69165-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1200		20	7.2	ug/L	20		8260C	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 480-69165-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1100		20	7.2	ug/L	20		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-69165-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Client Sample ID: MW-1
Date Collected: 10/13/14 10:40
Date Received: 10/14/14 00:30

Lab Sample ID: 480-69165-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/21/14 07:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/21/14 07:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/21/14 07:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/21/14 07:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/21/14 07:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/21/14 07:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/21/14 07:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/21/14 07:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/21/14 07:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/21/14 07:18	1
1,2-Dichloroethane	**0.65**	**J**	1.0	0.21	ug/L			10/21/14 07:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/21/14 07:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/21/14 07:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/21/14 07:18	1
2-Hexanone	ND		5.0	1.2	ug/L			10/21/14 07:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/21/14 07:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/21/14 07:18	1
Acetone	ND		10	3.0	ug/L			10/21/14 07:18	1
Benzene	**1.5**		1.0	0.41	ug/L			10/21/14 07:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/21/14 07:18	1
Bromoform	ND		1.0	0.26	ug/L			10/21/14 07:18	1
Bromomethane	ND		1.0	0.69	ug/L			10/21/14 07:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/21/14 07:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/21/14 07:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/21/14 07:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/21/14 07:18	1
Chloroethane	ND		1.0	0.32	ug/L			10/21/14 07:18	1
Chloroform	ND		1.0	0.34	ug/L			10/21/14 07:18	1
Chloromethane	ND		1.0	0.35	ug/L			10/21/14 07:18	1
cis-1,2-Dichloroethene	**2.9**		1.0	0.81	ug/L			10/21/14 07:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/21/14 07:18	1
Cyclohexane	**1.3**		1.0	0.18	ug/L			10/21/14 07:18	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			10/21/14 07:18	1
Ethylbenzene	**18**		1.0	0.74	ug/L			10/21/14 07:18	1
Isopropylbenzene	**2.6**		1.0	0.79	ug/L			10/21/14 07:18	1
Methyl acetate	ND		2.5	0.50	ug/L			10/21/14 07:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/21/14 07:18	1
Methylcyclohexane	**1.2**		1.0	0.16	ug/L			10/21/14 07:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/21/14 07:18	1
Styrene	ND		1.0	0.73	ug/L			10/21/14 07:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/21/14 07:18	1
Toluene	**13**		1.0	0.51	ug/L			10/21/14 07:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/21/14 07:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/21/14 07:18	1
Trichloroethene	ND		1.0	0.46	ug/L			10/21/14 07:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/21/14 07:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/21/14 07:18	1
Xylenes, Total	**62**		2.0	0.66	ug/L			10/21/14 07:18	1

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Client Sample ID: MW-1

Lab Sample ID: 480-69165-1

Date Collected: 10/13/14 10:40
Matrix: Water
Date Received: 10/14/14 00:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		10/21/14 07:18	1
Toluene-d8 (Surr)	107		71 - 126		10/21/14 07:18	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/21/14 07:18	1
Dibromofluoromethane (Surr)	101		60 - 140		10/21/14 07:18	1

Client Sample ID: MW-2

Lab Sample ID: 480-69165-2

Date Collected: 10/13/14 09:50
Matrix: Water
Date Received: 10/14/14 00:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/21/14 13:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/21/14 13:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/21/14 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/21/14 13:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/21/14 13:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/21/14 13:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/21/14 13:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/21/14 13:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/21/14 13:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/21/14 13:35	1
1,2-Dichloroethane	**0.29**	**J**	1.0	0.21	ug/L			10/21/14 13:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/21/14 13:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/21/14 13:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/21/14 13:35	1
2-Hexanone	ND		5.0	1.2	ug/L			10/21/14 13:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/21/14 13:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/21/14 13:35	1
Acetone	ND		10	3.0	ug/L			10/21/14 13:35	1
Benzene	ND		1.0	0.41	ug/L			10/21/14 13:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/21/14 13:35	1
Bromoform	ND		1.0	0.26	ug/L			10/21/14 13:35	1
Bromomethane	ND		1.0	0.69	ug/L			10/21/14 13:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/21/14 13:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/21/14 13:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/21/14 13:35	1
Dibromochloromethane	ND	*	1.0	0.32	ug/L			10/21/14 13:35	1
Chloroethane	ND		1.0	0.32	ug/L			10/21/14 13:35	1
Chloroform	ND		1.0	0.34	ug/L			10/21/14 13:35	1
Chloromethane	ND		1.0	0.35	ug/L			10/21/14 13:35	1
cis-1,2-Dichloroethene	**4.2**		1.0	0.81	ug/L			10/21/14 13:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/21/14 13:35	1
Cyclohexane	**56**		1.0	0.18	ug/L			10/21/14 13:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/21/14 13:35	1
Ethylbenzene	**4.1**		1.0	0.74	ug/L			10/21/14 13:35	1
Isopropylbenzene	**16**		1.0	0.79	ug/L			10/21/14 13:35	1
Methyl acetate	ND		2.5	0.50	ug/L			10/21/14 13:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/21/14 13:35	1
Methylcyclohexane	**52**		1.0	0.16	ug/L			10/21/14 13:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/21/14 13:35	1

Client Sample ID: MW-2

Date Collected: 10/13/14 09:50
Date Received: 10/14/14 00:30

Lab Sample ID: 480-69165-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/21/14 13:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/21/14 13:35	1
Toluene	ND		1.0	0.51	ug/L			10/21/14 13:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/21/14 13:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/21/14 13:35	1
Trichloroethene	ND		1.0	0.46	ug/L			10/21/14 13:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/21/14 13:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/21/14 13:35	1
Xylenes, Total	**5.6**		2.0	0.66	ug/L			10/21/14 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*10/21/14 13:35*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*10/21/14 13:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/21/14 13:35*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*10/21/14 13:35*	*1*

Client Sample ID: MW-3

Date Collected: 10/13/14 08:45
Date Received: 10/14/14 00:30

Lab Sample ID: 480-69165-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/21/14 13:59	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/21/14 13:59	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/21/14 13:59	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/21/14 13:59	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/21/14 13:59	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/21/14 13:59	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/21/14 13:59	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/21/14 13:59	20
1,2-Dibromoethane	ND		20	15	ug/L			10/21/14 13:59	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/21/14 13:59	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/21/14 13:59	20
1,2-Dichloropropane	ND		20	14	ug/L			10/21/14 13:59	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/21/14 13:59	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/21/14 13:59	20
2-Hexanone	ND		100	25	ug/L			10/21/14 13:59	20
2-Butanone (MEK)	ND		200	26	ug/L			10/21/14 13:59	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/21/14 13:59	20
Acetone	ND		200	60	ug/L			10/21/14 13:59	20
Benzene	ND		20	8.2	ug/L			10/21/14 13:59	20
Bromodichloromethane	ND		20	7.8	ug/L			10/21/14 13:59	20
Bromoform	ND		20	5.2	ug/L			10/21/14 13:59	20
Bromomethane	ND		20	14	ug/L			10/21/14 13:59	20
Carbon disulfide	ND		20	3.8	ug/L			10/21/14 13:59	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/21/14 13:59	20
Chlorobenzene	ND		20	15	ug/L			10/21/14 13:59	20
Dibromochloromethane	ND	*	20	6.4	ug/L			10/21/14 13:59	20
Chloroethane	ND		20	6.4	ug/L			10/21/14 13:59	20
Chloroform	ND		20	6.8	ug/L			10/21/14 13:59	20

Client Sample ID: MW-3

Lab Sample ID: 480-69165-3

Date Collected: 10/13/14 08:45

Matrix: Water

Date Received: 10/14/14 00:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		20	7.0	ug/L			10/21/14 13:59	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			10/21/14 13:59	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/21/14 13:59	20
Cyclohexane	ND		20	3.6	ug/L			10/21/14 13:59	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/21/14 13:59	20
Ethylbenzene	ND		20	15	ug/L			10/21/14 13:59	20
Isopropylbenzene	ND		20	16	ug/L			10/21/14 13:59	20
Methyl acetate	ND		50	10	ug/L			10/21/14 13:59	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/21/14 13:59	20
Methylcyclohexane	ND		20	3.2	ug/L			10/21/14 13:59	20
Methylene Chloride	ND		20	8.8	ug/L			10/21/14 13:59	20
Styrene	ND		20	15	ug/L			10/21/14 13:59	20
Tetrachloroethene	**1200**		20	7.2	ug/L			10/21/14 13:59	20
Toluene	ND		20	10	ug/L			10/21/14 13:59	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/21/14 13:59	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/21/14 13:59	20
Trichloroethene	ND		20	9.2	ug/L			10/21/14 13:59	20
Trichlorofluoromethane	ND		20	18	ug/L			10/21/14 13:59	20
Vinyl chloride	ND		20	18	ug/L			10/21/14 13:59	20
Xylenes, Total	ND		40	13	ug/L			10/21/14 13:59	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*10/21/14 13:59*	*20*
Toluene-d8 (Surr)	*99*		*71 - 126*		*10/21/14 13:59*	*20*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/21/14 13:59*	*20*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*10/21/14 13:59*	*20*

Client Sample ID: MW-4

Lab Sample ID: 480-69165-4

Date Collected: 10/13/14 09:45

Matrix: Water

Date Received: 10/14/14 00:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/21/14 08:33	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/21/14 08:33	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/21/14 08:33	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/21/14 08:33	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/21/14 08:33	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/21/14 08:33	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/21/14 08:33	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/21/14 08:33	20
1,2-Dibromoethane	ND		20	15	ug/L			10/21/14 08:33	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/21/14 08:33	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/21/14 08:33	20
1,2-Dichloropropane	ND		20	14	ug/L			10/21/14 08:33	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/21/14 08:33	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/21/14 08:33	20
2-Hexanone	ND		100	25	ug/L			10/21/14 08:33	20
2-Butanone (MEK)	ND		200	26	ug/L			10/21/14 08:33	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/21/14 08:33	20

Client Sample ID: MW-4

Lab Sample ID: 480-69165-4

Date Collected: 10/13/14 09:45

Matrix: Water

Date Received: 10/14/14 00:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		200	60	ug/L			10/21/14 08:33	20
Benzene	ND		20	8.2	ug/L			10/21/14 08:33	20
Bromodichloromethane	ND		20	7.8	ug/L			10/21/14 08:33	20
Bromoform	ND		20	5.2	ug/L			10/21/14 08:33	20
Bromomethane	ND		20	14	ug/L			10/21/14 08:33	20
Carbon disulfide	ND		20	3.8	ug/L			10/21/14 08:33	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/21/14 08:33	20
Chlorobenzene	ND		20	15	ug/L			10/21/14 08:33	20
Dibromochloromethane	ND		20	6.4	ug/L			10/21/14 08:33	20
Chloroethane	ND		20	6.4	ug/L			10/21/14 08:33	20
Chloroform	ND		20	6.8	ug/L			10/21/14 08:33	20
Chloromethane	ND		20	7.0	ug/L			10/21/14 08:33	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			10/21/14 08:33	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/21/14 08:33	20
Cyclohexane	ND		20	3.6	ug/L			10/21/14 08:33	20
Dichlorodifluoromethane	ND	*	20	14	ug/L			10/21/14 08:33	20
Ethylbenzene	ND		20	15	ug/L			10/21/14 08:33	20
Isopropylbenzene	ND		20	16	ug/L			10/21/14 08:33	20
Methyl acetate	ND		50	10	ug/L			10/21/14 08:33	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/21/14 08:33	20
Methylcyclohexane	ND		20	3.2	ug/L			10/21/14 08:33	20
Methylene Chloride	ND		20	8.8	ug/L			10/21/14 08:33	20
Styrene	ND		20	15	ug/L			10/21/14 08:33	20
Tetrachloroethene	**1100**		20	7.2	ug/L			10/21/14 08:33	20
Toluene	ND		20	10	ug/L			10/21/14 08:33	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/21/14 08:33	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/21/14 08:33	20
Trichloroethene	ND		20	9.2	ug/L			10/21/14 08:33	20
Trichlorofluoromethane	ND		20	18	ug/L			10/21/14 08:33	20
Vinyl chloride	ND		20	18	ug/L			10/21/14 08:33	20
Xylenes, Total	ND		40	13	ug/L			10/21/14 08:33	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*10/21/14 08:33*	*20*
Toluene-d8 (Surr)	*102*		*71 - 126*		*10/21/14 08:33*	*20*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/21/14 08:33*	*20*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*10/21/14 08:33*	*20*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-69165-5

Date Collected: 10/10/14 00:00

Matrix: Water

Date Received: 10/14/14 00:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/21/14 06:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/21/14 06:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/21/14 06:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/21/14 06:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/21/14 06:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/21/14 06:53	1

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Client Sample ID: TRIP BLANK
Date Collected: 10/10/14 00:00
Date Received: 10/14/14 00:30

Lab Sample ID: 480-69165-5
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/21/14 06:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/21/14 06:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/21/14 06:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/21/14 06:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/21/14 06:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/21/14 06:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/21/14 06:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/21/14 06:53	1
2-Hexanone	ND		5.0	1.2	ug/L			10/21/14 06:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/21/14 06:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/21/14 06:53	1
Acetone	ND		10	3.0	ug/L			10/21/14 06:53	1
Benzene	ND		1.0	0.41	ug/L			10/21/14 06:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/21/14 06:53	1
Bromoform	ND		1.0	0.26	ug/L			10/21/14 06:53	1
Bromomethane	ND		1.0	0.69	ug/L			10/21/14 06:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/21/14 06:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/21/14 06:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/21/14 06:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/21/14 06:53	1
Chloroethane	ND		1.0	0.32	ug/L			10/21/14 06:53	1
Chloroform	ND		1.0	0.34	ug/L			10/21/14 06:53	1
Chloromethane	ND		1.0	0.35	ug/L			10/21/14 06:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/21/14 06:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/21/14 06:53	1
Cyclohexane	ND		1.0	0.18	ug/L			10/21/14 06:53	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			10/21/14 06:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/21/14 06:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/21/14 06:53	1
Methyl acetate	ND		2.5	0.50	ug/L			10/21/14 06:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/21/14 06:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/21/14 06:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/21/14 06:53	1
Styrene	ND		1.0	0.73	ug/L			10/21/14 06:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/21/14 06:53	1
Toluene	ND		1.0	0.51	ug/L			10/21/14 06:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/21/14 06:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/21/14 06:53	1
Trichloroethene	ND		1.0	0.46	ug/L			10/21/14 06:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/21/14 06:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/21/14 06:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/21/14 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*10/21/14 06:53*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*10/21/14 06:53*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/21/14 06:53*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*10/21/14 06:53*	*1*

Surrogate Summary

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-69165-1	MW-1	108	107	100	101
480-69165-2	MW-2	109	98	99	97
480-69165-3	MW-3	93	99	102	97
480-69165-3 MS	MW-3	91	97	102	98
480-69165-3 MSD	MW-3	92	99	102	99
480-69165-4	MW-4	102	102	104	103
480-69165-4 MS	MW-4	100	100	102	102
480-69165-4 MSD	MW-4	99	101	101	101
480-69165-5	TRIP BLANK	101	100	101	103
LCS 480-208917/4	Lab Control Sample	101	102	102	102
LCS 480-209000/5	Lab Control Sample	91	97	99	98
MB 480-208917/7	Method Blank	98	99	101	100
MB 480-209000/7	Method Blank	92	99	103	99

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-208917/7
Matrix: Water
Analysis Batch: 208917

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/21/14 01:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/21/14 01:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/21/14 01:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/21/14 01:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/21/14 01:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/21/14 01:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/21/14 01:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/21/14 01:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/21/14 01:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/21/14 01:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/21/14 01:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/21/14 01:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/21/14 01:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/21/14 01:35	1
2-Hexanone	ND		5.0	1.2	ug/L			10/21/14 01:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/21/14 01:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/21/14 01:35	1
Acetone	ND		10	3.0	ug/L			10/21/14 01:35	1
Benzene	ND		1.0	0.41	ug/L			10/21/14 01:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/21/14 01:35	1
Bromoform	ND		1.0	0.26	ug/L			10/21/14 01:35	1
Bromomethane	ND		1.0	0.69	ug/L			10/21/14 01:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/21/14 01:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/21/14 01:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/21/14 01:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/21/14 01:35	1
Chloroethane	ND		1.0	0.32	ug/L			10/21/14 01:35	1
Chloroform	ND		1.0	0.34	ug/L			10/21/14 01:35	1
Chloromethane	ND		1.0	0.35	ug/L			10/21/14 01:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/21/14 01:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/21/14 01:35	1
Cyclohexane	ND		1.0	0.18	ug/L			10/21/14 01:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/21/14 01:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/21/14 01:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/21/14 01:35	1
Methyl acetate	ND		2.5	0.50	ug/L			10/21/14 01:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/21/14 01:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/21/14 01:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/21/14 01:35	1
Styrene	ND		1.0	0.73	ug/L			10/21/14 01:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/21/14 01:35	1
Toluene	ND		1.0	0.51	ug/L			10/21/14 01:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/21/14 01:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/21/14 01:35	1
Trichloroethene	ND		1.0	0.46	ug/L			10/21/14 01:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/21/14 01:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/21/14 01:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/21/14 01:35	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-208917/7
Matrix: Water
Analysis Batch: 208917

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		10/21/14 01:35	1
Toluene-d8 (Surr)	99		71 - 126		10/21/14 01:35	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/21/14 01:35	1
Dibromofluoromethane (Surr)	100		60 - 140		10/21/14 01:35	1

Lab Sample ID: LCS 480-208917/4
Matrix: Water
Analysis Batch: 208917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	22.9		ug/L		92	58 - 121
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 127
Benzene	25.0	23.9		ug/L		96	71 - 124
Chlorobenzene	25.0	23.9		ug/L		96	72 - 120
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Methyl tert-butyl ether	25.0	26.5		ug/L		106	64 - 127
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127
Trichloroethene	25.0	23.6		ug/L		94	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
Toluene-d8 (Surr)	102		71 - 126
4-Bromofluorobenzene (Surr)	102		73 - 120
Dibromofluoromethane (Surr)	102		60 - 140

Lab Sample ID: 480-69165-4 MS
Matrix: Water
Analysis Batch: 208917

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		500	486		ug/L		97	71 - 129
1,1-Dichloroethene	ND		500	463		ug/L		93	58 - 121
1,2-Dichlorobenzene	ND		500	471		ug/L		94	80 - 124
1,2-Dichloroethane	ND		500	466		ug/L		93	75 - 127
Benzene	ND		500	470		ug/L		94	71 - 124
Chlorobenzene	ND		500	482		ug/L		96	72 - 120
cis-1,2-Dichloroethene	ND		500	488		ug/L		98	74 - 124
Ethylbenzene	ND		500	466		ug/L		93	77 - 123
Methyl tert-butyl ether	ND		500	510		ug/L		102	64 - 127
Tetrachloroethene	1100		500	1390	F1	ug/L		63	74 - 122
Toluene	ND		500	484		ug/L		97	80 - 122
trans-1,2-Dichloroethene	ND		500	467		ug/L		93	73 - 127
Trichloroethene	ND		500	471		ug/L		94	74 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-69165-4 MS
Matrix: Water
Analysis Batch: 208917

Client Sample ID: MW-4
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Lab Sample ID: 480-69165-4 MSD
Matrix: Water
Analysis Batch: 208917

Client Sample ID: MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		500	501		ug/L		100	71 - 129	3	20
1,1-Dichloroethene	ND		500	486		ug/L		97	58 - 121	5	16
1,2-Dichlorobenzene	ND		500	484		ug/L		97	80 - 124	3	20
1,2-Dichloroethane	ND		500	476		ug/L		95	75 - 127	2	20
Benzene	ND		500	490		ug/L		98	71 - 124	4	13
Chlorobenzene	ND		500	505		ug/L		101	72 - 120	5	25
cis-1,2-Dichloroethene	ND		500	503		ug/L		101	74 - 124	3	15
Ethylbenzene	ND		500	489		ug/L		98	77 - 123	5	15
Methyl tert-butyl ether	ND		500	513		ug/L		103	64 - 127	1	37
Tetrachloroethene	1100		500	1450		ug/L		76	74 - 122	4	20
Toluene	ND		500	500		ug/L		100	80 - 122	3	15
trans-1,2-Dichloroethene	ND		500	493		ug/L		99	73 - 127	5	20
Trichloroethene	ND		500	498		ug/L		100	74 - 123	6	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
Toluene-d8 (Surr)	*101*		*71 - 126*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

Lab Sample ID: MB 480-209000/7
Matrix: Water
Analysis Batch: 209000

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/21/14 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/21/14 12:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/21/14 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/21/14 12:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/21/14 12:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/21/14 12:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/21/14 12:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/21/14 12:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/21/14 12:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/21/14 12:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/21/14 12:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/21/14 12:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/21/14 12:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-209000/7
Matrix: Water
Analysis Batch: 209000

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/21/14 12:15	1
2-Hexanone	ND		5.0	1.2	ug/L			10/21/14 12:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/21/14 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/21/14 12:15	1
Acetone	ND		10	3.0	ug/L			10/21/14 12:15	1
Benzene	ND		1.0	0.41	ug/L			10/21/14 12:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/21/14 12:15	1
Bromoform	ND		1.0	0.26	ug/L			10/21/14 12:15	1
Bromomethane	ND		1.0	0.69	ug/L			10/21/14 12:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/21/14 12:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/21/14 12:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/21/14 12:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/21/14 12:15	1
Chloroethane	ND		1.0	0.32	ug/L			10/21/14 12:15	1
Chloroform	ND		1.0	0.34	ug/L			10/21/14 12:15	1
Chloromethane	ND		1.0	0.35	ug/L			10/21/14 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/21/14 12:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/21/14 12:15	1
Cyclohexane	ND		1.0	0.18	ug/L			10/21/14 12:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/21/14 12:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/21/14 12:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/21/14 12:15	1
Methyl acetate	ND		2.5	0.50	ug/L			10/21/14 12:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/21/14 12:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/21/14 12:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/21/14 12:15	1
Styrene	ND		1.0	0.73	ug/L			10/21/14 12:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/21/14 12:15	1
Toluene	ND		1.0	0.51	ug/L			10/21/14 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/21/14 12:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/21/14 12:15	1
Trichloroethene	ND		1.0	0.46	ug/L			10/21/14 12:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/21/14 12:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/21/14 12:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/21/14 12:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*		*10/21/14 12:15*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*10/21/14 12:15*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/21/14 12:15*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*10/21/14 12:15*	*1*

Lab Sample ID: LCS 480-209000/5
Matrix: Water
Analysis Batch: 209000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-209000/5
Matrix: Water
Analysis Batch: 209000

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	24.8		ug/L		99	58 - 121
1,2-Dichlorobenzene	25.0	25.4		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 127
Benzene	25.0	24.8		ug/L		99	71 - 124
Chlorobenzene	25.0	25.3		ug/L		101	72 - 120
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methyl tert-butyl ether	25.0	24.4		ug/L		98	64 - 127
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.3		ug/L		101	73 - 127
Trichloroethene	25.0	25.0		ug/L		100	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Lab Sample ID: 480-69165-3 MS
Matrix: Water
Analysis Batch: 209000

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		500	493		ug/L		99	71 - 129
1,1-Dichloroethene	ND		500	503		ug/L		101	58 - 121
1,2-Dichlorobenzene	ND		500	515		ug/L		103	80 - 124
1,2-Dichloroethane	ND		500	461		ug/L		92	75 - 127
Benzene	ND		500	497		ug/L		99	71 - 124
Chlorobenzene	ND		500	499		ug/L		100	72 - 120
cis-1,2-Dichloroethene	ND		500	495		ug/L		99	74 - 124
Ethylbenzene	ND		500	498		ug/L		100	77 - 123
Methyl tert-butyl ether	ND		500	497		ug/L		99	64 - 127
Tetrachloroethene	1200		500	1410	F1	ug/L		41	74 - 122
Toluene	ND		500	498		ug/L		100	80 - 122
trans-1,2-Dichloroethene	ND		500	490		ug/L		98	73 - 127
Trichloroethene	ND		500	508		ug/L		102	74 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-69165-3 MSD
Matrix: Water
Analysis Batch: 209000

Client Sample ID: MW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		500	483		ug/L		97	71 - 129	2	20
1,1-Dichloroethene	ND		500	477		ug/L		95	58 - 121	5	16
1,2-Dichlorobenzene	ND		500	506		ug/L		101	80 - 124	2	20
1,2-Dichloroethane	ND		500	454		ug/L		91	75 - 127	2	20
Benzene	ND		500	483		ug/L		97	71 - 124	3	13
Chlorobenzene	ND		500	502		ug/L		100	72 - 120	1	25
cis-1,2-Dichloroethene	ND		500	492		ug/L		98	74 - 124	1	15
Ethylbenzene	ND		500	489		ug/L		98	77 - 123	2	15
Methyl tert-butyl ether	ND		500	490		ug/L		98	64 - 127	1	37
Tetrachloroethene	1200		500	1400	F1	ug/L		40	74 - 122	1	20
Toluene	ND		500	488		ug/L		98	80 - 122	2	15
trans-1,2-Dichloroethene	ND		500	496		ug/L		99	73 - 127	1	20
Trichloroethene	ND		500	490		ug/L		98	74 - 123	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

QC Association Summary

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

GC/MS VOA

Analysis Batch: 208917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69165-1	MW-1	Total/NA	Water	8260C	
480-69165-4	MW-4	Total/NA	Water	8260C	
480-69165-4 MS	MW-4	Total/NA	Water	8260C	
480-69165-4 MSD	MW-4	Total/NA	Water	8260C	
480-69165-5	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-208917/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-208917/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 209000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69165-2	MW-2	Total/NA	Water	8260C	
480-69165-3	MW-3	Total/NA	Water	8260C	
480-69165-3 MS	MW-3	Total/NA	Water	8260C	
480-69165-3 MSD	MW-3	Total/NA	Water	8260C	
LCS 480-209000/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-209000/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Client Sample ID: MW-1

Lab Sample ID: 480-69165-1

Date Collected: 10/13/14 10:40

Matrix: Water

Date Received: 10/14/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	208917	10/21/14 07:18	LCH	TAL BUF

Client Sample ID: MW-2

Lab Sample ID: 480-69165-2

Date Collected: 10/13/14 09:50

Matrix: Water

Date Received: 10/14/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	209000	10/21/14 13:35	GTG	TAL BUF

Client Sample ID: MW-3

Lab Sample ID: 480-69165-3

Date Collected: 10/13/14 08:45

Matrix: Water

Date Received: 10/14/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	209000	10/21/14 13:59	GTG	TAL BUF

Client Sample ID: MW-4

Lab Sample ID: 480-69165-4

Date Collected: 10/13/14 09:45

Matrix: Water

Date Received: 10/14/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	208917	10/21/14 08:33	LCH	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-69165-5

Date Collected: 10/10/14 00:00

Matrix: Water

Date Received: 10/14/14 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	208917	10/21/14 06:53	LCH	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

Method Summary

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: URS Corporation
Project/Site: Walgreens Site (Kingston, NY)

TestAmerica Job ID: 480-69165-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-69165-1	MW-1	Water	10/13/14 10:40	10/14/14 00:30
480-69165-2	MW-2	Water	10/13/14 09:50	10/14/14 00:30
480-69165-3	MW-3	Water	10/13/14 08:45	10/14/14 00:30
480-69165-4	MW-4	Water	10/13/14 09:45	10/14/14 00:30
480-69165-5	TRIP BLANK	Water	10/10/14 00:00	10/14/14 00:30

TestAmerica Albany
25 Kraft Road
Albany, NY 12205

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Justin King / Mike KC	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-56379-14877.1
Client Contact: Michael Kuzia-Carmel	Phone: 518-369-0175	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: URS Corporation		Analysis Requested		Job #: 25368158.00002
Address: 3 Corporate Drive, Suite 203	Due Date Requested:			Preservation Codes:
City: Clifton Park	TAT Requested (days): 14 day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY, 12065				
Phone: 518-688-0015(Tel)	PO #: Peter.Fairbanks@urs.com			
Email: michael.kuzia-carmel@urs.com	WO #: Vendor# 1427536			Other:
Project Name: Walgreens Site (Kingston, NY)	Project #: 48006310			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-1	10/13/14	1040	G	Water			X		
MW-2	10/13/14	0950	G	Water			X		
MW-3	10/13/14	0845	G	Water			X		
MW-4	10/13/14	0945	G	Water			X		
Trip Blank	10/10/14			Water			X		

480-69165 Chain of Custody

10-13-14

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		10/13/2014 - 1415			10-13-14 14:15	TA
2	Relinquished by:	Date/Time: 10-13-14 18:00	Company TA	Received by:	Date/Time: 10/14/14 0030	Company TA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0 #1

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10/22/2014

Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 480-69165-1

Login Number: 69165

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	urs corp.
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

APPENDIX B

IC/EC CERTIFICATION

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **C356032**

Site Name 10 East Chester Street

Site Address: 306-318 Broadway Zip Code: 12401
City/Town: Kingston
County: Ulster
Site Acreage: 1.0

Reporting Period: October 26, ~~2012~~ 2013 to November 30, 2014
56

	YES	NO
1. Is the information above correct?	☑	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☑
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☑
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☑
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☑

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☑	☐
7. Are all ICs/ECs in place and functioning as designed?	☑	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative _____ Date _____

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☑
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☐	☑
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C356032

Box 3

Description of Institutional Controls

→ An updated Qualitative Exposure Assessment has been included.

Parcel	Owner	Institutional Control
56.26-11-14	Richard N. Steiner, Walgreens Co.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan

The Controlled Property may be used for restricted commercial or industrial use as long as the following long-term engineering controls are employed:
1. A barrier layer must be maintained on the Controlled Property of either one foot of clean fill or an alternative barrier layer approved by the NYSDEC, such as concrete, asphalt, or structure;
2. Any proposed soil excavation on the Controlled Property below the barrier layer requires prior notification and approval by NYSDEC in accordance with the Site Management Plan. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives;
3. Any area of soil excavation below the barrier layer that is to be returned to vegetated soil (i.e.: not concrete, asphalt or structures) must be backfilled with a minimum one (1) foot layer of clean fill underlain by a demarcation layer;
4. Any future structures shall be constructed with a sub-slab depressurization system approved by the NYSDEC; and
5. The use of groundwater underlying the Controlled Property is prohibited without prior approval from NYSDEC for treatment rendering it safe for use for drinking or industrial purposes.

56.26-11-15	Richard N. Steiner, Walgreens Co.	Site Management Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction

The Controlled Property may be used for restricted commercial or industrial use as long as the following long-term engineering controls are employed:
1. A barrier layer must be maintained on the Controlled Property of either one foot of clean fill or an alternative barrier layer approved by the NYSDEC, such as concrete, asphalt, or structure;
2. Any proposed soil excavation on the Controlled Property below the barrier layer requires prior notification and approval by NYSDEC in accordance with the Site Management Plan. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives;
3. Any area of soil excavation below the barrier layer that is to be returned to vegetated soil (i.e.: not concrete, asphalt or structures) must be backfilled with a minimum one (1) foot layer of clean fill underlain by a demarcation layer;
4. Any future structures shall be constructed with a sub-slab depressurization system approved by the NYSDEC; and
5. The use of groundwater underlying the Controlled Property is prohibited without prior approval from NYSDEC for treatment rendering it safe for use for drinking or industrial purposes.

56.26-11-43	Richard N. Steiner, Walgreens Co.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan

The Controlled Property may be used for restricted commercial or industrial use as long as the following long-term engineering controls are employed:
1. A barrier layer must be maintained on the Controlled Property of either one foot of clean fill or an alternative barrier layer approved by the NYSDEC, such as concrete, asphalt, or structure;
2. Any proposed soil excavation on the Controlled Property below the barrier layer requires prior notification and approval by NYSDEC in accordance with the Site Management Plan. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives;
3. Any area of soil excavation below the barrier layer that is to be returned to vegetated soil (i.e.: not concrete, asphalt or structures) must be backfilled with a minimum one (1) foot layer of clean fill underlain by a demarcation layer;
4. Any future structures shall be constructed with a sub-slab depressurization system approved by the NYSDEC; and

5. The use of groundwater underlying the Controlled Property is prohibited without prior approval from NYSDEC for treatment rendering it safe for use for drinking or industrial purposes.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
56.26-11-14	Vapor Mitigation Cover System
56.26-11-15	Cover System Vapor Mitigation
56.26-11-43	Vapor Mitigation Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☑	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☑	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C356032

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Jeffrey Groncki (print name) at 10 East Chester St, Kingston, NY 12401. (print business address)

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

, Environmental Manager / Walgreen Co. 1/12/15

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Don Porterfield at 3 Corporate Dr, Suite 203, Clifton Park NY 12065
print name print business address

am certifying as a Professional Engineer for the Owner
(Owner or Remedial Party)

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

11/23/15
Date

APPENDIX C

QUALITATIVE HUMAN HEALTH RISK ASSESSMENT

WALGREEN COMPANY

104 Wilmot Road MS#1630
Deerfield, Illinois 60015

QUALITATIVE HUMAN HEALTH RISK ASSESSMENT

WALGREEN COMPANY STORE 02077
10 EAST CHESTER STREET
KINGSTON, NEW YORK

BCP Site No. C356032

December 2014

Prepared By:

URS Corporation – New York
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

TABLE OF CONTENTS

TABLES

1.0 INTRODUCTION

This *Qualitative Human Health Exposure Assessment* (*HHEA*) uses data and information collected during investigations at the site to assess human health exposure in the immediate and surrounding areas. The qualitative *HHEA* provides an evaluation of potential adverse health effects under current and potential future site conditions that may result from exposure to contaminants attributable to former activities at the site.

2.0 IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN

Sampling and analysis at the site have indicated that the site has been impacted by volatile organic compounds (VOCs). The VOC impacts may be attributed to historical site activities including the former dry cleaning facility, the former gasoline service station, and former trolley barn. The 2005 *Remedial Investigation Report/Remedial Action Plan* concluded that there is no evidence that the site is impacted with semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), or metals.

The contaminants of potential concern (CPCs) were selected based on the frequency of detection, range of concentrations, and potential for migration, as well as whether the detected analytes exceeded applicable standards, criteria, or guidance values (SCGs) for the media. A "medium of potential concern" is identified as a physical medium (soil, groundwater, soil vapor) in which one or more contaminants were detected at concentrations exceeding their SCGs.

VOCs were detected in subsurface soil. Soil analytical results were compared to Part 375 unrestricted use criteria. Table 1 presents a summary of the CPCs for subsurface soil.

VOCs were detected in groundwater. For groundwater, the SCGs are the Class GA (groundwater) standards and guidance values presented in *NYSDEC TOGS 1.1.1*, April 2000 (including subsequent revisions). All VOCs detected in groundwater that exceeded SCGs are considered CPCs. Table 1 presents a summary of CPCs for groundwater.

Soil gas samples have also been sampled at the site and found to contain VOCs. There are no criteria for soil vapor analytical data; however, the *NYSDOH Soil Vapor Guidance Decision Matrix 1 and 2* (NYSDOH, 2006 with 2008 updates) were utilized to evaluate the potential for soil vapor intrusion by reviewing sub-slab vapor concentrations for the VOCs relevant to the Decision Matrices. Soil gas samples

were collected after the installation of the sub-slab depressurization system. At the time of the evaluation, only two compounds that were detected had been assigned to Decision Matrices. Carbon tetrachloride and tetrachloroethene were detected in the indoor air samples, but were not detected in the soil gas samples collected from the sub-slab. At the time of reporting the sampling results, Matrix 1 indicated that "reasonable and practical actions to identify sources and reduce exposures" for carbon tetrachloride should be taken and Matrix 2 indicated that the tetrachlororethene concentrations require "no further action." In order to be conservative, these compounds are considered CPCs for soil gas as indicated on Table 1.

3.0 EXPOSURE PATHWAYS

An exposure pathway is the manner by which an individual may come in contact with a contaminant. The elements of a completed exposure pathway include: the contaminated environmental media (i.e., soil, water, or soil vapor); the receptor (e.g., construction worker, employee, public) exposed to the contamination; and the routes of exposure or how the contaminant enters the body (i.e., inhalation, ingestion, and/or absorption through the skin). Tables 2 and 3 present the exposure pathways assessed for the site under current and future land use scenarios, respectively.

3.1 SOIL

The site is a commercial property and operates as a retail store. There is no surface soil at the site since the entire surface of the site is covered by the building, sidewalks, and/or a six-inch thick layer of concrete. The six-inch layer of concrete is an engineering control identified for the site. The limited soil present around trees planted in the landscaped areas around the site is clean, imported topsoil material. Subsurface soil is not accessible to the general public because soil on the property is entirely covered by the building and concrete or clean top soil. The only potential complete exposure is for construction workers who could come into contact with contaminated soil during intrusive activities. Therefore, subsurface soil is considered a potentially complete exposure pathway under the current use scenario for construction workers. Under the future use scenario, intrusive activities from possible construction efforts may result in a completed pathway. The approved *Site Management Plan* (*SMP*) for the site includes a section on soil management.

3.2 SOIL VAPOR/INDOOR AIR

There is currently an operating sub-slab depressurization system at the site. The sub-slab depressurization system is an engineering control identified for the site. Indoor air and soil vapor sampling was completed after the sub-slab depressurization system was installed on-site. CPCs were detected in the indoor air sample, but not in the soil vapor sample suggesting the detection of these compounds is not related to vapor intrusion. Therefore, there is not a completed pathway for the current use scenario. The *SMP* requires the installation of a sub-slab depressurization system in all future buildings. Therefore, there is not a completed pathway in the future use scenario. Under the current use and future use scenarios, construction workers could come into contact with contaminated soil vapor during intrusive activities. Therefore, soil vapor is considered a potentially complete exposure pathway under the current use and future use scenarios for construction workers.

3.3 OUTDOOR AIR

Since the entire site is covered by the building, sidewalks, and/or a six-inch thick layer of concrete, outdoor air is not impacted under current use conditions. The potential exists for the public to be exposed to contaminants from exposed subsurface soil and/or fugitive dust generated during construction activities. The *SMP* provides the requirements for controlling volatilization, erosion, and/or fugitive dust during construction activities.

3.4 GROUNDWATER

Under the current use scenario, groundwater is not known to be used as a potable water supply (drinking water is supplied to local residents by a municipal water supply) or for any other known industrial purposes in the vicinity of the site. Therefore, it is not a completed exposure pathway under the current use scenario. It is not anticipated that onsite groundwater would be used for potable purposes in the future. Construction workers could potentially be exposed to groundwater contaminants during current or future intrusive activities.

4.0 SUMMARY

Table 2 and Table 3 present a summary of the potential routes of exposure, the potential receptors, the potential completed pathways, and the mitigation which would eliminate and/or control the potential pathways. Under current conditions, potential pathways are complete for construction workers during intrusive activities for subsurface soil, soil vapor and groundwater. There is a *SMP* in place that includes soil management practices. Potentially completed pathways exist for future use for construction workers during intrusive activities for subsurface soil, soil vapor, and groundwater. Potentially completed pathways exist for future use for the public during intrusive activities for outdoor air. There is a *SMP* in place that includes soil management practices.

TABLES

TABLE 1
CONTAMINANTS OF POTENTIAL CONCERN
10 EAST CHESTER STREET
KINGSTON, NEW YORK

Parameter	Matrix		
	Subsurface Soil	Groundwater	Soil Vapor
Volatile Organic Compounds			
1,2-Dichloroethane	--	X	--
1,2-Dichloroethene (cis)	--	X	--
Benzene	--	X	--
Ethylbenzene	--	X	--
Isopropylbenzene	--	X	--
Tetrachloroethene	X	X	X
Toluene	--	X	--
Trichloroethene	--	X	--
Vinyl chloride	--	X	--
Xylene	--	X	--
sec-butylbenzene	--	X	--
n-propylbenzene	--	X	--
1,2,4-trimethylbenzene	--	X	--
1,2,3-trimethylbenzene	--	X	--
1,3,5-trimethylbenzene	--	X	--
Carbon tetrachloride	--	--	X

TABLE 2
POTENTIAL PATHWAYS OF EXPOSURE
CURRENT USE SCENARIO
10 EAST CHESTER STREET
KINGSTON, NEW YORK

Potentially Contaminated Medium	Potential Routes of Exposure	Potential Receptors	Potential Pathway Complete
Surface Soil	None	None	No. There is no surface soil at the site. All soil is covered by the buildings, sidewalks, or a six-inch thick layer of concrete.
Subsurface Soil	Dermal absorption, ingestion.	Construction workers	Yes. Disturbance of subsurface soil may occur during intrusive activities. Site Management Plan includes soil management practices.
Soil Vapor/Indoor Air	Inhalation of VOCs from soil vapor.	Construction workers	Yes. Disturbance of subsurface soil and soil vapor may occur during intrusive activities.
	Inhalation of volatile contaminants from soil that have migrated into structures.	Employees	No. There is an operating sub-slab depressurization system as an engineering control for site.
Outdoor Air	Inhalation of VOCs from soil or fugitive dust.	Public	No. The site is entirely covered. There are no intrusive activities anticipated under current site conditions that would result in potential exposure to contaminants in the subsurface soil or fugitive dust.
Groundwater	Dermal absorption, inhalation.	Construction workers	Yes. Exposure to groundwater (i.e., the subsurface) may occur during intrusive activities.
	Ingestion.	Employees	No. No current potable water use at or near site.

TABLE 3
POTENTIAL PATHWAYS OF EXPOSURE
FUTURE USE SCENARIO
10 EAST CHESTER STREET
KINGSTON, NEW YORK

Potentially Contaminated Medium	Potential Routes of Exposure	Potential Receptors	Potential Pathway Complete
Surface Soil	None	None	No. There is no surface soil at the site. All soil is covered by the buildings, sidewalks, or a six-inch thick layer of concrete.
Subsurface Soil	Dermal absorption, ingestion.	Construction workers	Yes. Disturbance of subsurface soil may occur under future site conditions during intrusive activities. Site Management Plan includes soil management practices.
Soil Vapor/Indoor Air	Inhalation of VOCs from soil vapor.	Construction workers	Yes. Disturbance of subsurface soil and soil vapor may occur during intrusive activities.
	Inhalation of VOCs from soil vapor beneath warehouse.	Employees	No. All future buildings must be constructed with a sub-slab depressurization system as an engineering control.
Outdoor Air	Inhalation of VOCs from soil or fugitive dust.	Public	Yes. Intrusive activities under future site conditions could result in potential exposure to contaminants from the subsurface soil or fugitive dust. Site Management Plan addresses erosion and dust control during construction.
Groundwater	Dermal absorption, inhalation.	Construction workers	Yes. Exposure to groundwater (i.e., the subsurface) may occur under future site conditions during intrusive activities.
	Ingestion.	Employees	No. Due to existing public water supply systems in the area, no potable water use at or near the site is anticipated.